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Derwent WPI

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**Use of crystalline olefin copolymer of controlled crystallinity as component of make-up compositions such as foundation, concealer, blusher, eye-shadow or lipstick, to limit and-or suppress migration effect**

Patent Assignee: L'OREAL SA (OREA )

Inventor: TOURNILHAC F

Number of Countries: 030 Number of Patents: 007

Patent Family:

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CA 2299659	A1	20000902	CA 2299659	A	20000229	200059
FR 2790385	A1	20000908	FR 992564	A	19990302	200059
CN 1266675	A	20000920	CN 2000103707	A	20000301	200063
JP 2000290138	A	20001017	JP 200057392	A	20000302	200102
BR 200000686	A	20001226	BR 2000686	A	20000228	200103
KR 2001006716	A	20010126	KR 20009991	A	20000229	200152

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Patent Details:

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FR 2790385 A1 A61K-007/02

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JP 2000290138 A 11 A61K-007/02

BR 200000686 A C08L-023/00

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Abstract (Basic): **EP 1034776 A1**

NOVELTY - The crystalline olefin copolymer component for use in a make-up composition is new.

DETAILED DESCRIPTION - The composition (I) for the treatment of keratin matter contains a liquid fatty phase, and at least one copolymer soluble in this liquid phase selected from crystalline olefin copolymers having crystallinity up to 50%, especially 10-35%. The use of the copolymer is aimed at reduction and/or elimination of migration of composition (I).

USE - In cosmetic products for treatment and/or make-up of skin and/or lips, such as color foundation, blusher or eye-shadow, lipstick, lip-balm, eye-liner, concealer or body make-up products.

ADVANTAGE - Migration of color, especially in case of lipstick and eye-shadow (e.g. into small wrinkles around lips) is avoided.

pp; 12 DwgNo 0/0

#### Technology Focus:

TECHNOLOGY FOCUS - ORGANIC CHEMISTRY - Preferred Composition: The composition (I) comprises at least 2 wt.% (and preferably up to 70 wt.%) of the copolymer, at least one active agent physiologically acceptable, and at least one coloring matter, preferably in form of powder selected from fillers, pigments, mother-of-pearl or their mixtures, in amount 0.1-98 wt.% (preferably 1-30 wt.%). Liquid fatty phase comprises at least one oil volatile at ambient temperature, preferably chosen from hydrocarbonated oils of animal or vegetable origin, hydrocarbons of mineral or synthetic origin, esters of lanolic, oleic lauric and stearic acids, esters and ethers of fatty acids, 12-28C higher fatty alcohols, silicone oils, optionally substituted, fluorinated oils, and their mixtures. (I) may also contain at least one additional fatty phase selected from waxes, gums and/or fatty pastes of vegetable, animal mineral and synthetic origin, or silicones, or their mixtures. The composition (I) may have a form of cast product comprising physiologically acceptable liquid fatty phase and at least one wax solid at ambient temperature. Fatty liquid phase contains at least one oil selected from 8-16C isoparaffins and linear or cyclic silicones having 2-7 Si atoms, and optionally bearing 1-10C alkyl groups, and their mixtures. The composition (I) is preferably anhydrous and may be in form of cast stick or cup, oily gel, pliant paste, oily liquid, and water/oil, oil/water or water/wax emulsion (where wax constitutes mixture with at least one crystalline olefin copolymer); or vesicular dispersion.

POLYMERS - Preferred Components: The copolymer is preferably solid, has an average molecular wt. Mw of at least 30,000 (preferably at least 40,000), a polymolecular index Mw/Mn below 3.5 (preferably up to 2.5), where Mn is average molecular mass number, and can be processed into a film. The olefin copolymer is preferably selected from (A) alpha-olefin copolymers, copolymers of olefins and cycloolefins, copolymers of alpha-olefins and monomer with ethylenic bond(s); and (B) copolymers of alpha-olefins with tactic and atactic groups. Copolymers of alpha-olefins are selected from bipolymers of ethylene or propylene and 4-16C (preferably 4-12C) alpha-olefin, and terpolymers of ethylene, propylene and 4-16C (preferably 4-12C) alpha-olefin. The latter is selected from butene-1, pentene-1, hexene-1, heptene-1, octene-1, nonene-1, decene-1, undecene-1, dodecene-1, 3,3,5-trimethyl hexene-1, 3-methyl pentene-1 and 4-methylpentene-1, and is present in amount up to 40%, preferably up to 30%. Copolymers of olefins and cycloolefins

are selected from bipolymers of ethylene or propylene with cyclobutene, cyclohexene cyclooctadiene, norbornene, dimethano-octahydronaphthalene, ethylidene norbornene, vinyl norbornene and 4-vinyl-cyclohexene and terpolymers of ethylene, propylene and cycloolefin as above. The copolymer of olefin and cycloolefin preferably contains less than 20 mol.% of the latter. Copolymer of alpha-olefin and cycloolefin is preferably ethylene/norbornene copolymer containing below 18 mol.% of the norbornene. Copolymers of alpha-olefin and monomer with ethylenic bond(s) are selected from ethylene/butadiene and ethylene/isoprene bipolymers, containing less than 20 mol.% of monomers with ethylenic bond(s). Copolymers of alpha-olefin with tactic and atactic groups are selected from polypropylenes with isotactic and atactic groups and polypropylenes with syndiotactic and atactic groups. The ratio of tactic groups is below 30 mol.%. The olefin copolymer is preferably obtained by metallocene synthesis.

Title Terms: CRYSTAL; OLEFIN; COPOLYMER; CONTROL; CRYSTAL; COMPONENT; UP; COMPOSITION; FOUNDATION; EYE; SHADOW; LIPSTICK; LIMIT; SUPPRESS; MIGRATION; EFFECT

Derwent Class: A18; A96; D21

International Patent Class (Main): A61K-007/00; A61K-007/02; A61K-007/021; A61K-007/06; C08L-023/00

International Patent Class (Additional): A61K-007/027; A61K-007/032; A61K-007/48

File Segment: CPI

Manual Codes (CPI/A-N): A04-G01E; A12-V04; A12-V04C; D08-B

Polymer Indexing (PS):

- \*001\* 018; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83; G0088-R G0033 G0022 D01 D02 D13 D51 D53 G0099 G0088 G0917-R G0817 D54 G0920 G0917 D12 D10 D31 D74 D84 D76 D86 D77 D32 D78 D59 D92 D58; R01289 G0088 G0033 G0022 D01 D02 D05 D16 D13 D32 D51 D53 D59 D77 D87; R01608 G0917 G0817 D01 D02 D05 D12 D10 D16 D13 D32 D51 D54 D57 D59 D77 D89; H0033 H0011; S9999 S1376; P1150
- \*002\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10; G0022-R D01 D51 D53 G0033-R G0022 D02 D50 D84 D85 D86 D87 D88 D89 D90 D91 D92 G0066 G0044 G0033 D12 D10; S9999 S1376; P1150
- \*003\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10; R00805 G0055 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D84 ; S9999 S1376; P1150
- \*004\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10; R02047 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D85; S9999 S1376; P1150
- \*005\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10; R02043 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D86;

S9999 S1376; P1150

\*006\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10; R02046 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D87; S9999 S1376; P1150

\*007\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10; R00936 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D88; S9999 S1376; P1150

\*008\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10; R02045 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D90; S9999 S1376; P1150

\*009\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10; R15485 G0044 G0033 G0022 D01 D02 D12 D10 D53 D51 D58 D86; S9999 S1376; P1150

\*010\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; G0022-R D01 D51 D53 G0033-R G0022 D02 D50 D84 D85 D86 D87 D88 D89 D90 D91 D92 G0066 G0044 G0033 D12 D10; S9999 S1376; P1150

\*011\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R00805 G0055 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D84; S9999 S1376; P1150 ; P1263

\*012\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R02047 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D85; S9999 S1376; P1150

\*013\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R02043 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D86; S9999 S1376; P1150

\*014\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R02046 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D87; S9999 S1376; P1150

\*015\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R00936 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D88; S9999 S1376; P1150

\*016\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R02045 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D90; S9999 S1376; P1150

\*017\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R15485 G0044 G0033 G0022 D01 D02 D12 D10 D53 D51 D58 D86; S9999 S1376; P1150

\*018\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83; G0022-R D01 D51 D53 G0033-R G0022 D02 D50 D84 D85 D86 D87 D88 D89 D90 D91 D92 G0066 G0044 G0033 D12 D10; S9999 S1376; P1150

\*019\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83; R00805 G0055 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D84; S9999 S1376; P1150

\*020\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83; R02047 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D85; S9999 S1376; P1150

\*021\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D83; R02043 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D86;  
S9999 S1376; P1150

\*022\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D83; R02046 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D87;  
S9999 S1376; P1150

\*023\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D83; R00936 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D88;  
S9999 S1376; P1150

\*024\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D83; R02045 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D90;  
S9999 S1376; P1150

\*025\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D83; R15485 G0044 G0033 G0022 D01 D02 D12 D10 D53 D51 D58 D86;  
S9999 S1376; P1150

\*026\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12  
D10; G0088-R G0033 G0022 D01 D02 D13 D51 D53 G0099 G0088 G0917-R  
G0817 D54 G0920 G0917 D12 D10 D31 D74 D84 D76 D86 D77 D32 D78 D59  
D92 D58; S9999 S1376; P1150

\*027\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12  
D10; R01289 G0088 G0033 G0022 D01 D02 D05 D16 D13 D32 D51 D53 D59  
D77 D87; S9999 S1376; P1150

\*028\* 018; H0022 H0011; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12  
D10; R01608 G0917 G0817 D01 D02 D05 D12 D10 D16 D13 D32 D51 D54 D57  
D59 D77 D89; S9999 S1376; P1150

\*029\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D82; G0088-R G0033 G0022 D01 D02 D13 D51 D53 G0099 G0088  
G0917-R G0817 D54 G0920 G0917 D12 D10 D31 D74 D84 D76 D86 D77 D32  
D78 D59 D92 D58; S9999 S1376; P1150

\*030\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D82; R01289 G0088 G0033 G0022 D01 D02 D05 D16 D13 D32 D51 D53  
D59 D77 D87; S9999 S1376; P1150

\*031\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D82; R01608 G0917 G0817 D01 D02 D05 D12 D10 D16 D13 D32 D51 D54  
D57 D59 D77 D89; S9999 S1376; P1150

\*032\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
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G0917-R G0817 D54 G0920 G0917 D12 D10 D31 D74 D84 D76 D86 D77 D32  
D78 D59 D92 D58; S9999 S1376; P1150

\*033\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D83; R01289 G0088 G0033 G0022 D01 D02 D05 D16 D13 D32 D51 D53  
D59 D77 D87; S9999 S1376; P1150

\*034\* 018; H0022 H0011; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D83; R01608 G0917 G0817 D01 D02 D05 D12 D10 D16 D13 D32 D51 D54  
D57 D59 D77 D89; S9999 S1376; P1150

\*035\* 018; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10; R00326

G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R00964 G0044  
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G0033-R G0022 D02 D50 D84 D85 D86 D87 D88 D89 D90 D91 D92 G0066  
G0044 G0033 D12 D10; R00805 G0055 G0044 G0033 G0022 D01 D02 D12 D10  
D51 D53 D58 D84; R02047 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D85; R02043 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D86;  
R02046 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D87; R00936  
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D13 D51 D53 G0099 G0088 G0917-R G0817 D54 G0920 G0917 D12 D10 D31  
D74 D84 D76 D86 D77 D32 D78 D59 D92 D58; R01289 G0088 G0033 G0022  
D01 D02 D05 D16 D13 D32 D51 D53 D59 D77 D87; R01608 G0917 G0817 D01  
D02 D05 D12 D10 D16 D13 D32 D51 D54 D57 D59 D77 D89; H0033 H0011;  
S9999 S1376; P1150

\*036\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D82; G0828-R G0817 D01 D12 D10 D51 D54 D56; S9999 S1376; P1150  
; P0328

\*037\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D82; R00806 G0828 G0817 D01 D02 D12 D10 D51 D54 D56 D58 D84;  
S9999 S1376; P1150 ; P0328

\*038\* 018; H0022 H0011; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53  
D58 D82; R00429 G0828 G0817 D01 D02 D12 D10 D51 D54 D56 D58 D85;  
S9999 S1376; P1150 ; P0328

\*039\* 018; ND01; K9745-R; Q9999 Q9165-R; Q9999 Q9176 Q9165; K9449; B9999  
B5094 B4977 B4740; B9999 B4773-R B4740; B9999 B5107-R B4977 B4740

\*040\* 018; D62 D61; C999 C033 C000; C999 C293

\*041\* 018; A999 A102 A077; S9999 S1514 S1456

\*042\* 018; A999 A237

\*001\* 018; H0000; G0033-R G0022 D01 D02 D51 D53 G0044-R G0033 D12 D10;  
S9999 S1376; P1150

\*002\* 018; H0000; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58  
D82; S9999 S1376; P1150 ; P1161

\*003\* 018; H0000; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58  
D83; S9999 S1376; P1150 ; P1343

\*004\* 018; ND01; K9745-R; Q9999 Q9165-R; Q9999 Q9176 Q9165; K9449; B9999  
B5094 B4977 B4740; B9999 B4773-R B4740; B9999 B5107-R B4977 B4740

\*005\* 018; B9999 B4966 B4944 B4922 B4740; B9999 B4784 B4773 B4740

\*006\* 018; D62 D61; C999 C033 C000; C999 C293

\*007\* 018; A999 A102 A077; S9999 S1514 S1456

\*008\* 018; A999 A237